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## **Plasma melatonin levels in hip fracture patients with and without delirium: a confirmation study**

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### ***Highlights***

- Melatonin plays a major role in maintaining circadian rhythm
- Sleep and wake cycle disturbances are important features of patients with delirium
- Measuring plasma melatonin could provide more insight into delirium pathophysiology
- High morning melatonin levels were associated with age and postoperative samples

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